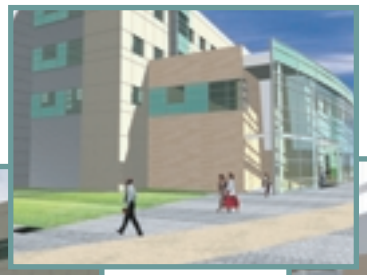
## Terascale Simulation Facility

The Terascale Simulation Facility (TSF) at LLNL will provide power and space to accommodate the next generation of Advanced Simulation and Computing (ASCI) supercomputers, which serve our nation's Stockpile Stewardship effort.

The TSF will provide a uniquely capable simulation environment to generate and to assess the petabytes of data, which will emerge from ASCI 3D weapons science codes. The United States Department of Energy/National Nuclear Security Administration (NNSA) will use this capability to simulate the aging and operations of nuclear weapons and to ensure the safety and reliability of the nation's stockpile.

The new 253,000-square-foot TSF consists of two 128-ft x 192-ft computer rooms—providing 48,000 square feet of space for computer systems and a four-story office complex with space for nearly 300 scientists, engineers, and support staff. The office wing will also house meeting rooms, a data visualization theater, research and development areas, a video-conferencing center, computer operations, and 280 offices.

The TSF will provide for the first computer floor occupancy in June 2004—with full facility completion in 2006.



Groundbreaking Ceremony for the

# Terascale Simulation Facility

10:45 a.m. — Thursday — April 4, 2002

Lawrence Livermore National Laboratory

### Welcome and Introduction

C. Bruce Tarter — Director, Lawrence Livermore National Laboratory

### Speakers

John P. McTague — Vice President for Laboratory Management, University of California

Rep. Ellen Tauscher — Congresswoman, California's Tenth Congressional District

William H. Reed — Director of Advanced Simulation and Computing, Defense Programs, NNSA

Dona L. Crawford — Associate Director, Computation, LLNL

Bruce T. Goodwin — Associate Director, Defense and Nuclear Technologies, LLNL

TSF Groundbreaking Ceremony

Reception to follow